



20150116ML

# Anti-Mouse PARP (#15B47)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

|                  |                            |
|------------------|----------------------------|
| <b>Cat.-no.:</b> | <b>103-M448</b>            |
| Size:            | 100 µg                     |
| Lot. No.:        | According to product label |

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of PARP-1.

## Target Background

|                           |   |
|---------------------------|---|
| <b>Synonyms (Target):</b> | Parp1; PARP; PPOL; Adprp; Adprt1; C80510; parp-1; sPARP-1; AI893648; 5830444G22Rik; Poly [ADPribose] polymerase 1 |
|---------------------------|---|

PARP, is a component of a base excision repair (BER) complex, containing at least XRCC1, PARP2, POLB and LIG3. Widely expressed. Expression is correlated with proliferation, with higher levels occurring during early fetal development and organogenesis and in the highly proliferative cell compartments of adult. Expressed in Bcells that have been induced to switch to various Ig isotypes. PARP interacts with the DNA polymerase alpha catalytic subunit POLA1; this interaction functions as part of the control of replication fork progression.

## Database References Target

|                        |             |
|------------------------|-------------|
| <b>Protein RefSeq:</b> | NP_031441.2 |
| <b>Uniprot ID:</b>     | Q921K2      |
| <b>mRNA RefSeq:</b>    | NM_007415.2 |

## Product Specifications

|                              |                          |
|------------------------------|--------------------------|
| <b>Host</b>                  | Rat                      |
| <b>Reactivity against</b>    | Mouse                    |
| <b>Clonality</b>             | Monoclonal Antibody      |
| <b>Clone</b>                 | (#15B47)                 |
| <b>Isotype</b>               | IgG2                     |
| <b>Purification</b>          | Protein G chromatography |
| <b>Antigen</b>               | recombinant mouse PARP-1 |
| <b>Formulation</b>           | lyophilized              |
| <b>Reconstitution buffer</b> | PBS (sterile)            |

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody detects specifically mouse PARP with WB

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:  
WB

**Recommended usage:**

**WB:** 1:100-500

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**